

AS-BUILT PLANS 12/12/12

ONE HALF ROUND CORRUGATED METAL PIPE ATTACHED TO WEIR BOX

APRON OR CONCRETE BOTTOM TO BE USED AT THE BOTTOM OF HALF ROUND.

1" HOLES 8"-10" APART

FILL AROUND BARRIER WITH #57 STONE (EVEN WITH TOP)

ISOMETRICS

STATE

PROJECT NUMBER

SHEET NO.

TOTAL SHEETS

GA.

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GENERAL NOTES

1. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRE TOTAL DRAINAGE AREA.

2. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA IN THE PROJECT.

3. THE HEIGHT OF THE RETROFIT SHOULD BE APPROXIMATELY ONE HALF THE HEIGHT OF THE STORMWATER MANAGEMENT OUTLET STRUCTURE. THE POND MUST BE CAPABLE OF STORING THE REQUIRED VOLUME OF SEDIMENT IN ADDITION TO THE REQUIRED STORMWATER VOLUME. THE REQUIRED SEDIMENT STORAGE VOLUME SHALL BE ACHIEVED BY EITHER EXCAVATING THE BASIN OR RAISING THE OUTLET STRUCTURE'S INVERT TO ACHIEVE 67 CUBIC YARDS PER ACRE OF SEDIMENT STORAGE. REMOVE SEDIMENT WHEN ONE THIRD OF THE SEDIMENT STORAGE CAPACITY, NOT TOTAL POND CAPACITY, IS LOST TO SEDIMENT ACCUMULATION.

4. NEVER TO BE USED ON EXPOSED PIPE END OR WINGED HEADWALL.

5. DIAMETER OF HALF ROUND PIPE SHOULD BE 1.5 TIMES THE DIAMETER OF THE PRINCIPAL PIPE OUTLET OR WIDER THAN THE GREATEST WIDTH OF THE CONCRETE WEIR.

NOTE: RETROFIT ORIFICES AND WEIRS TO ACCOUNT FOR STORAGE DEPTHS AS INDICATED IN THE CHART.

DATE

REVISION

BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
RETROFITTING STRUCTURE FOR
TEMPORARY SEDIMENT FILTER
PERFORATED HALF-ROUND PIPE
WITH STONE FILTER

NO SCALEMAY 2008

NUMBER
D-44

L - 2"x2"x1/4" OR 2"x1/4" FLAT PLATE

WEIR

HALF ROUND PERFORATED PIPE DURING CONSTRUCTION ONLY

1/2" THREADED ROD W/NUTS & WASHERS (ANCHOR TO WALL)

#57 STONE

1'-0" MIN. STONE DEPTH

ATTACHMENT DETAIL PLAN

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE RETROFIT, STA. NO.- _____ EACH

3/1/2007

GPLM

THE LPA GROUP

TRANSPORTATION CONSULTANTS

3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY

EROSION CONTROL
CONSTRUCTION DETAILS

DRAWING No.
56-013